

Claims 1 and 6 Patentably Distinguish Over the Prior Art

In view of the Examiner's comments regarding the term "converting" applicants have amended claim 1 to recited:

"a converter converting the printed circuit board into one or more models based on attributes preliminarily added to the component, by disassembling the printed circuit board, according to the attributes, into one or more constitutional elements to be converted into the models."

It is submitted that this claim amendment is supported by the specification. For example, see page 5, lines 12-15 of the specification.

In view of the clarifying language added to claim 1, it is submitted that claim 1 even more clearly distinguishes over the Agonafer reference.

Referring to claim 6, this claim has been amended to recite:

"converting the printed circuit board into one or more models based on attributes preliminarily added to the component, by disassembling the printed circuit board, according to the attributes, into one or more constitutional elements to be converted into the models."

Therefore, it is submitted that claim 6 patentably distinguishes over the prior art.

Claims 2-5 and 7-10

On page 3 of the Office Action, claims 2-5 and 7-10 were objected to as being dependent upon a rejected base claim. The Examiner indicated that these claims would be allowable if rewritten in independent form. Claims 2-5 and 7-10 depend, directly or indirectly, from either claim 1 or claim 6 and include all of the features of the claim from which they depend, plus additional features which are not taught or suggested by the prior art. Therefore, it is submitted that claims 2-5 and 7-10 patentably distinguish over the prior art.

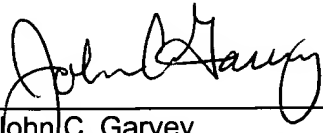
Summary

It is submitted that none of the references, either taken alone or in combination, teach the present claimed invention. Thus, claims 1-10 are deemed to be in a position suitable for allowance. Reconsideration of the claims and an early notice of allowance are earnestly solicited.

Respectfully submitted,

STAAS & HALSEY LLP

Date: 3-18-02

By: 
John C. Garvey
Registration No. 28,607

700 Eleventh Street, NW, Suite 500
Washington, D.C. 20001
(202) 434-1500

VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE CLAIMS:

Please AMEND the claims in accordance with the following:

1. (TWICE AMENDED) A printed circuit board design system for generating a 3D model of a printed circuit board which mounts a component on a printed board, and performing with a three-dimensional CAD system a mounting design which includes a cabinet, the system comprising:

a converter [for] converting the printed circuit board into one or more models based on attributes preliminarily added to the component, by disassembling the printed circuit board, according to the attributes, into one or more constitutional elements to be converted into the models.

6. (ONCE AMENDED) A method for generating a 3D model of a printed circuit board which mounts a component on a printed board, and performing with a three-dimensional CAD system a mounting design which includes a cabinet, the method comprising the operations of:

converting the printed circuit board into one or more models based on attributes preliminarily added to the component, by disassembling the printed circuit board, according to the attributes, into one or more constitutional elements to be converted into the models.